**Procedure:   
2.** [**Use the micropipet labeled**](file:///C:\DE419A54\CopperNitrate.mp4) [***Cu(N0***](http://oxfordchemistry.wikispaces.com/file/view/CopperNitrate.mp4)[***3)2* to place 8 drops of copper(ll**](file:///C:\DE419A54\CopperNitrate.mp4)

[**) nitrate, *Cu(N03)2* into wells Al, Bl, Cl, and D1.**](file:///C:\DE419A54\CopperNitrate.mp4)

**3.** [Using the micropipet labeled *Mg(N03)2 ,* place 8 drops of magnesium nitrate, *Mg(N03)2* into wells A2, B2, C2, and D2.](http://oxfordchemistry.wikispaces.com/file/view/MagnesiumNitrate.mp4)

**4.** [Using the micropipet labeled *Zn(N03)2 ,* place 8 drops of zinc nitrate, *Zn(N03)2* into wells *A3,* B3, C3, and D3.](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\ZincNitrate.mp4)

**5**. [Using the micropipet labeled *AgN03,* place 8 drops of silver nitrate, AgN03, into wells *A4,* B4, C4, and D4.](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\SilverNitrate.mp4)  CAUTION: *Silver nitrate is poisonous if ingested.*

*Be careful not to get it on your skin or clothing, as it will produce a stain that is hard to remove. If any spills occur, ask your teacher how to clean up safely.*

***6***[***.*** Place one piece of copper metal into each of the wells in row A (wells Al, *A2, A3,* and *A4).*](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\CopperMetal.mp4)

***7***[***.*** Place one piece of magnesium metal into wells Bl, B2, B3, and B4.](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\MgZnMetal.mp4)

[**8.** Place one piece of zinc metal into wells Cl, C2, C3, and C4.](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\MgZnMetal.mp4) (Note: Strips of silver are not used because of the expense. Had silver been used, you would

have been directed to put strips of it into wells Dl, D2, D3, and D4. The results you would have obtained have been put into the Data Table for you.)

**9.** [Chemical reactions will take place in some of the wells in rows A, B, and C. Placing the well plate on white paper will make it easier to observe any](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\5MinReaction.mp4)

[changes that occur. Observe what happens for five minutes.](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\5MinReaction.mp4) In the Data Table, record what happens to each metal. If a metal does not change, write NR

for No Reaction.

**10**. [Look at the metal samples you used. Describe the appearance of the metals on the lines provided.](file:///C:\Documents%20and%20Settings\scahill\Desktop\Lab%2014\Lab14DataTable.jpg)

**11.** Use an eyedropper to transfer all the silver nitrate solution from the well plate to a container provided by your teacher. Dispose of all other chemicals according to your teacher's instructions. Clean up your work area and wash your hands before leaving the laboratory.